



JP2000069368



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PN - JP2000069368 A 20000303

PD - 2000-03-03

PR - JP19980236086 19980821

OPD - 1998-08-21

TI - DEVICE AND METHOD FOR GENERATING CONTOUR IMAGE, DEVICE AND METHOD FOR GENERATING KEY SIGNAL AND RECORDING MEDIUM

IN - MATSUZAKI KATSURO; SHIMADA SHIGEHIO; KAWAMURA MAKOTO; OGINO TOMOTAKA

PA - SONY CORP

IC - H04N5/275 ; G06T9/20

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TI - Outline image extraction apparatus for television video, movie production, performs interpolation of outline information of mixed frames of target object to generate outline information for each frame

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AB - JP2000069368 NOVELTY - The outline information is generated by retracting outline of target object in input image. An interruption unit interpolates the outline information of several mixed frames, to generate outline information for each frame. DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: outline image generation method; keying signal generator; keying signal generation method; recording medium

- USE - For extracting outline image of target object during special effect process for television, video, movie production.

- ADVANTAGE - High quality outline information is generated by interpolating information of mixed frames, efficiently. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of keying signal generation apparatus.

- (Dwg.1/25)

OPD - 1998-08-21

AN - 2000-263935 [23]

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TI - DEVICE AND METHOD FOR GENERATING CONTOUR IMAGE, DEVICE AND METHOD FOR GENERATING KEY SIGNAL AND RECORDING MEDIUM

AB - PROBLEM TO BE SOLVED: To generate contour information and key information of high quality, with small processing volume by generating contour information for a part of frames by a contour extraction means and generating contour information for other frames by executing interpolation processing over plural frames which are timewise out of order.

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- SOLUTION: Plural frames are grouped as a single processing unit, the contour information of an object is generated in accordance with an operation input signal from an operation input part as to a part of frames in the processing unit, and in other frames of the processing unit, contour information is generated by executing interpolation processing based on contour information generated in accordance with the operation input signal. Namely, a CPU executes processing based on a key signal generation program and generates contour information by inputting an edge strength image for a frame, calculating a coordinate list to be a contour part, and generating a contour curve from the calculated coordinate list.

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